



RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE: JANUARY 9, 2023

SUBJECT: SUGARLOAF BOOSTER STATION TO PRESSURE REDUCING STATION CONVERSION PROJECT, WORK ORDER NO. 2116992 IN THE AMOUNT OF \$464,000

ISSUE:

Consider approving Work Order No. 2116992 in the amount of \$464,000 for all engineering, construction, paving and construction contingency costs for the Sugarloaf Booster Station to Pressure Reducing Station Conversion Project.

RECOMMENDATION:

That the Board of Public Utilities approve Work Order No. 2116992 in the total amount of \$464,000 for all engineering, construction, paving, and construction contingency costs for the Sugarloaf Booster Station to Pressure Reducing Station Conversion Project.

BACKGROUND:

The Sugarloaf Booster Station was built in 1968 to supply water to the Blaine 1300 Pressure Zone. Over time, changes in the water system due to residential development, such as the construction of other water facilities, have reduced the need for this booster station. Staff recognized that the booster station could be replaced with a pressure-reducing station feeding the Blaine 1300 Pressure Zone from the Heustis 1400 Pressure Zone, eliminating the ongoing costs associated with maintaining the booster station, such as purchasing and installing new equipment, as many of the components of this facility are no longer manufactured. Presently only one of the station's six pumps remains in operation.

The proposed project will reduce operation and maintenance costs and increase the flow to the Blaine 1300 Pressure Zone. Once the new pressure-reducing station is complete, the existing booster station will be removed from service and decommissioned. Staff intends to solicit construction bids to demolish the abandoned booster station and seek an award of a construction contract at a future date.

DISCUSSION:

The work generally entails constructing two pressure-reducing valves, one pressure relief valve, and a flow meter, along with all necessary piping, vaults, fittings, and incidental work installed

according to RPU's current standards by the Water Division's field forces. There will be no disruption of water service.

RPU will be responsible for repaving the affected portion of the street in accordance with the Public Works Department (PW) standards. PW will perform trench repaving for this project if their schedule can accommodate it. If not, staff will solicit paving bids from RPU's Paving Contractor Panel. A budgetary estimate for the paving work has been included in this authorization.

The work for this project will occur during normal daytime work hours as established in coordination with PW. Staff is also coordinating with the Office of Communications Division of the City Manager's Office to establish a project informational website and to mail a notification letter to customers within the surrounding area upon project approval. Staff will continue to reach out directly to customers within the vicinity of the project throughout the project duration.

The project/fiscal breakdown is as follows:

Work Type:	Performed By:			Amount:	Percent of Total:
Design, Geotechnical Investigation, and Survey	Internal Staff and Miscellaneous Vendors			\$67,300	14.5%
Construction	Internal Staff	Labor	\$80,000	\$197,000	42.5%
		Equipment	\$16,000		
		Materials	\$101,000		
Paving Budget	PW or RPU Paving Contractor Panel			\$150,000	32.3%
Construction Management, Inspection and Engineering Support	Internal Staff			\$30,000	6.5%
Construction Contingencies	N/A			\$19,700	4.2%
Work Order Total:				\$464,000	100.0%
Reimbursements:	None				
Anticipated Start Date:	April 2023				
Anticipated Duration:	2 Months				

The table above identifies the type of work, who will perform the work, and the estimated cost for each category. Specific contracts with vendors valued at less than \$10,000 have not been itemized in the table for brevity. If needed, additional services valued at more than \$50,000 will be solicited through a formal procurement process and brought before the Board of Public Utilities for consideration and action.

STRATEGIC PLAN ALIGNMENT:

This item contributes to **Strategic Priority 6 - Infrastructure, Mobility and Connectivity** and **Goal 6.2** – Maintain, protect, and improve assets and infrastructure within the City’s built environment to ensure and enhance reliability, resiliency, sustainability, and facilitate connectivity.

This item aligns with each of the five Cross-Cutting Threads as follows:

1. **Community Trust** – A public-facing project website will be deployed for this project conveying key information about the project to the community.
2. **Equity** – RPU endeavors to provide safe and reliable water service to all its customers. Since RPU’s water system is an interconnected network, investments made to individual parts of the system improve the reliability of the overall system, thereby providing an equitable benefit to all customers.
3. **Fiscal Responsibility** – RPU is a prudent steward of public funds and uses efficient practices to complete its work while also providing quality public services.
4. **Innovation** – A innovative approach was used to replace an old booster station with a more reliable pressure reducing station to minimize potential disruptions to the community in the future.
5. **Sustainability & Resiliency** – The construction materials specified for this project are considered best practices in the industry and are expected to last well into the future.

FISCAL IMPACT:

The total project cost is estimated at \$464,000. Sufficient funds are available in the Public Utilities’ Facility Rehabilitation Account No. 6230000-470803.

Prepared by:	David A. Garcia, Utilities Assistant General Manager/Water
Approved by:	Todd M. Corbin, Utilities General Manager
Approved by:	Kris Martinez, Assistant City Manager
Approved as to form:	Phaedra A. Norton, City Attorney

Certifies availability of funds:	Edward Enriquez, Interim Assistant City Manager/Chief Financial Officer/City Treasurer
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Attachments:

1. Project Location Map
2. Presentation